

Title (en)
HYDRAULIC PUMP CONTROLLER FOR CONSTRUCTION MACHINE

Title (de)
HYDRAULIKPUMPENSTEUERUNG FÜR EINE BAUMASCHINE

Title (fr)
CONTRÔLEUR DE POMPE HYDRAULIQUE POUR MACHINE DE CONSTRUCTION

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Abstract (en)
[origin: EP2381115A2] A hydraulic pump controlling apparatus of a construction machine according to the present invention includes: a hydraulic pump 10 in which a swash plate angle is controlled to control a discharge flow; an auxiliary pump 14; a control valve 11 controlling a flowing direction of a fluid discharged from the hydraulic pump 10 and selectively supplying the fluid to an actuator 13; an orifice 15 and a relief valve 16 connected between a center bypass line 17 of the control valve 11 and a tank T to be parallel to each other; signal pressure selecting units 20, 120, and 220 receiving a fluid passing through the center bypass line 17 of the control valve 11 and a fluid discharged from the auxiliary pump 14, and selecting the pressure of any one of the fluids as a signal pressure; and a regulator 30 receiving the signal pressure selected from the signal pressure selecting units 20, 120, and 220 to control the swash plate angle of the hydraulic pump 10, and the signal pressure selecting unit 20 selects the pressure of the fluid discharged from the auxiliary pump 14 as the signal pressure and transfers the selected pressure to the regulator 30 when the construction machine is in an idle state.

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